Recombinant Mouse Nampt, FLAG-tagged

Cat. No. Nampt-422M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Mouse Nampt (visfatin/PBEF) (aa 1-491) is fused at the N-terminus to a FLAG-tag.
Species	Mouse
Source	HEK293
ProteinLength	1-491 a.a.
Description	Nicotinamide phosphoribosyltransferase (Nampt; pre-B cell colony-enhancing factor; PBEF; Visfatin) is an adipokine that is localized to the bloodstream and has various functions, including the promotion of vascular smooth muscle cell maturation and inhibition of neutrophil apoptosis. It activates insulin receptor and has insulin-mimetic effects, lowering blood glucose and improving insulin sensitivity. The protein is highly expressed in visceral fat and serum levels of the protein correlate with obesity.
Form	Liquid. 0.2μm-filtered solution in PBS, pH 7.2.
Molecular Mass	~50kDa (SDS-PAGE)
Purity	≥90% (SDS-PAGE)
Stability	Working aliquots are stable for up to 3 months when stored at -20°C.
Storage	Short Term Storage: +4°C; Long Term Storage: -20°C. After reconstitution, prepare aliquots and store at -20°C. Avoid freeze/thaw cycles. For maximum product recovery

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	after thawing, centrifuge the vial before opening the cap.
Concentration	0.5mg/ml

GENE INFORMATION

Gene Name	Nampt nicotinamide phosphoribosyltransferase [Mus musculus]
Official Symbol	Nampt
Synonyms	NAMPT; nicotinamide phosphoribosyltransferase; pre-B-cell colony-enhancing factor 1 homolog; Pbef; Pbef1; AI314458; AI480535; Visfatin; NAmPRTase; 1110035O14Rik;
Gene ID	59027
mRNA Refseq	NM_021524
Protein Refseq	NP_067499
Pathway	Adipogenesis, organism-specific biosystem; Metabolism, organism-specific biosystem; Metabolism of vitamins and cofactors, organism-specific biosystem; Metabolism of water-soluble vitamins and cofactors, organism-specific biosystem; NAD biosynthesis III, organism-specific biosystem; Nicotinamide salvaging, organism-specific biosystem; Nicotinate and nicotinamide metabolism, organism-specific biosystem;
Function	cytokine activity; drug binding; nicotinamide phosphoribosyltransferase activity; nicotinamide phosphoribosyltransferase activity; nicotinate phosphoribosyltransferase activity; nicotinate-nucleotide diphosphorylase (carboxylating) activity; protein homodimerization activity; transferase activity; transferase activity, transferring

	glycosyl groups;

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